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OHIO PL 566 WATERSHED PROGRESS REPORT

JANUARY 1971

✓
U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

U. S.
NATIONAL ...
MAY 26 1972

CA 11/18/71

COVER PICTURE

The picture on the cover shows multiple purpose Structure No. 7 (Caldwell Lake) in the West Fork of Duck Creek Watershed Project.

This structure provides for 500 million gallons of water supply for Caldwell and the surrounding community and 690 acre-feet of floodwater retarding storage. The surface area of the lake is 56 acres.

It was constructed by the sponsors in cooperation with the Village of Caldwell and the Soil Conservation Service. The local share of the cost was financed by a loan from the Farmers Home Administration.

FOREWORD

This report provides a summary of the progress and the present status of the watershed program in Ohio as authorized under Public Law 566. The Ohio Soil and Water Conservation Needs Inventory lists a total of 309 watersheds in Ohio, of which 149 need project action. An additional 14 watersheds extending over state lines are considered feasible. A total of 80 applications have been submitted for planning assistance. At the front of the report is a fold-out map of Ohio showing location and status of the projects.

In this report projects are listed numerically within five categories: (1) projects completed, (2) projects authorized for construction but not completed, (3) projects authorized for planning, (4) projects in the preliminary investigation stage, and (5) applications approved but not serviced. The index refers to the page in the narrative where the watershed is listed.

Funds made available by the Ohio Department of Natural Resources were used in negotiated contracts with consultants to accelerate watershed planning. These funds have made it possible to double the progress in watershed planning during the past year. Several watershed sponsors are proceeding to implement their plan using Senate Bill 160 which provides for state cost sharing on up to 50 percent of the non-federal cost of a project.

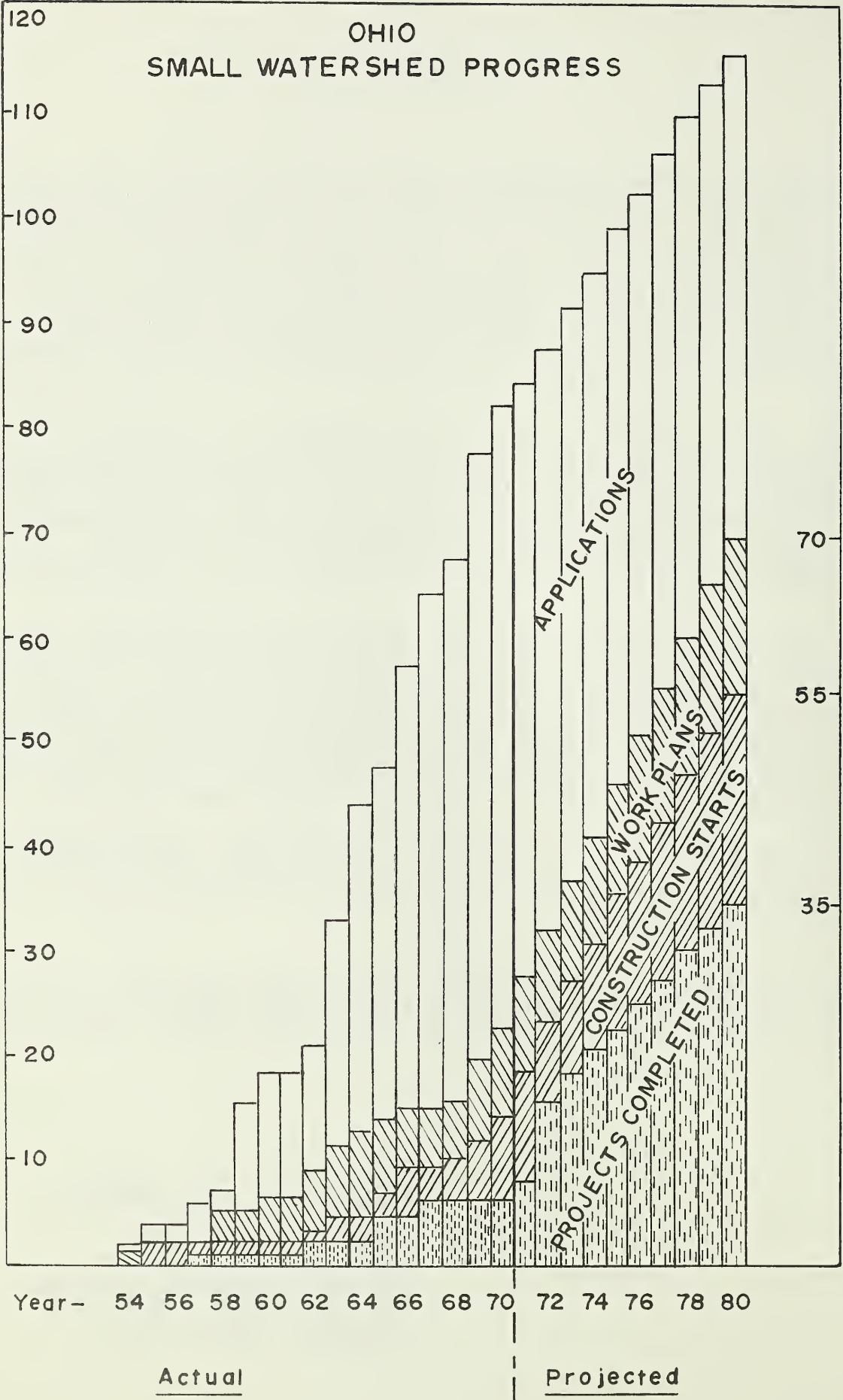
During the past year a Priority Committee was established. This committee reviews the applications each July 1 and rates them according to credits. This action is increasing our planning effectiveness.

The splendid cooperation between groups and agencies insures that all interests are better served by the watershed program. We sincerely appreciate the work of all who have contributed.



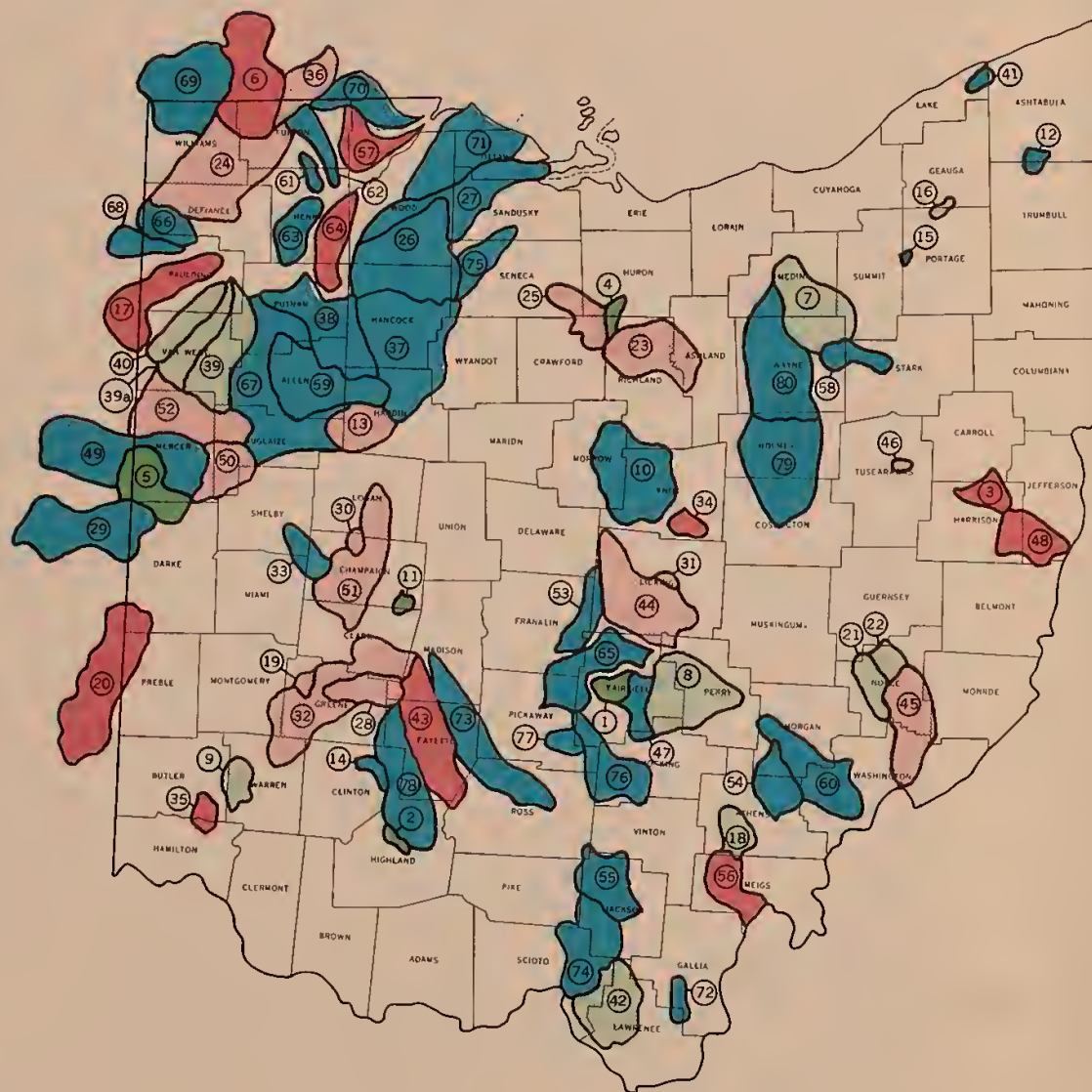
Robert E. Quilliam
State Conservationist
Soil Conservation Service
311 Old Federal Building
Columbus, Ohio 43215

OHIO SMALL WATERSHED PROGRESS



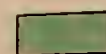
STATUS OF PUBLIC LAW 566 WATERSHEDS OHIO

January 1970



BOX SCORE

Total applications to date.....	81
Approved for planning.....	28
Authorized for construction.....	16
Project completed.....	5



CONSTRUCTION COMPLETED



APPLICATIONS UNSERVED

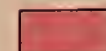
1. Upper Hocking (Pilot)
2. Rocky Fork Clear Cr. (Pilot)
4. Marsh Run
5. Upper Wabash
11. East Fork Buck Creek

10. Kokosing River
12. Snyder Ditch
14. Anderson Fork
15. Fish Creek
26. Middle & S. Br. Portage R.
27. North Br. & Portage R.
29. Mississinewa R.
33. Tawawa Creek
37. Upper Blanchard River
38. Lower Blanchard River
41. Arcola Creek
47. North Hocking
49. Buckeye-Hoosier (Wabash)
53. Blacklick
54. Federal Valley
55. Little Salt Cr.
58. Newman Creek
59. Ottawa River
60. Wolf Creek
61. Dry Creek
62. Bad Creek
63. S. Turkey Foot
65. Walnut Cr. & Trib's
66. Gordon Creek
67. Upper Auglaize R.
68. Marie Delame
69. St. Joseph
70. Ten Mile
71. Toussaint
72. Sand Fork
73. North Fork Paint Cr.
74. Little Scioto River
75. W. Branch Wolf Cr.
76. Upper Salt Creek
77. Hominy & Hargus Creek
78. Rattle Snake Creek
79. Lower Killbuck
80. Upper Killbuck



APPROVED FOR CONSTRUCTION

7. Chippewa Creek
8. Rush Creek
9. Dick Cr.-L. Muddy Cr. (Inactive)
16. Black Brook (Inactive)
18. Margaret Creek
21. West Fork Duck Creek
22. Buffalo Creek
39. Little Auglaize
- 39a. Middle Branch (Little Auglaize)
40. Prairie-Hoaglin Br. (Little Auglaize)
42. Pine Creek



IN WORK PLAN STAGE

3. Conotton Cr. (Terminated)
6. Upper Tiffin (Bean Creek)
17. Flat Rock Creek (Indiana)
20. East Fork White Water R. (Indiana)
34. Big Run
35. Upper Mill Creek
43. Upper Paint Creek
44. South Fork Licking River
48. Short Creek
56. Leading Creek
57. Swan Creek
64. Beaver Creek (Maumee)



PRELIMINARY
INVESTIGATION STAGE

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19. Beaver Creek (Inactive P.I. Complete)
23. Marsh Run-Black Fork (Inactive)
24. Lower Tiffin
25. Upper Honey Creek
28. Massies Creek (Inactive P.I. Complete)
30. Muddy Cr.-Gladys Creek (P.I. Complete)
31. Log Pond Run (Inactive P.I. Complete)
32. Upper Little Miami R. (Inactive P.I. Complete)
36. Black Cr. Raisin R. (Inactive)
45. East Fork Duck Cr. (Inactive P.I. Complete)
46. Beaverdam Creek (Inactive P.I. Complete)
50. Upper St. Marys
51. Upper Mad River (Inactive)
52. Middle St. Marys

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WATERSHED PROJECTS COMPLETEDMap
No.*1UPPER HOCKING (Pilot), 31,418 acres -
Fairfield County

This project called for eight floodwater retention dams and 22 smaller structures for flood prevention and stabilization. Construction was completed in 1961. Effectiveness in controlling floods was demonstrated in January 1959, March 1963, March 1964 and May 1968. All contracts were administered by the Soil Conservation Service. Channels and dams are being maintained by the Hunter's Run Conservancy District. Lands for two structure sites were purchased by the Ohio Department of Natural Resources. The sediment pools provide a total of 33 acres for public recreation.

2

ROCKY FORK-CLEAR CREEK (Pilot), 28,050 acres -
Highland County

This project, consisting of land treatment and stabilization measures, was completed to the satisfaction of the sponsors in 1957.



Floodwater Retarding Structure No. 8,
Upper Hocking Pilot Watershed

Map
No.*
4

MARSH RUN, 20,000 acres - Crawford, Richland
and Huron Counties
Sponsors: Celeryville Conservancy District,
Crawford Soil and Water Conservation District,
Richland Soil and Water Conservation District,
and Huron Soil and Water Conservation District

Construction work was completed on the 15 miles of channel improvement and the 75-acre irrigation water supply reservoir in 1967. The Celeryville Conservancy District administered all contracts and now operates and maintains the structural measures. Land treatment work was also completed in 1967. Irrigation water for vegetable crops was available for the 1966 growing season and has been used every year since. Farmers state their investment has already paid off due to benefits from irrigation and flood control. On July 4, 1969 the area experienced very heavy rainfall. The flood prevention benefits from this storm were estimated to be \$200,000. Repair work was completed in 1970 which consisted of placing riprap on the levee to cut down wave action damage.

- 5 UPPER WABASH, 80,540 acres - Mercer and Darke
 Counties
Sponsors: Mercer County Soil and Water Conservation
District and Darke Soil and Water Conservation District

This project called for three flood prevention dams and 38 miles of stream channel work. Construction work was completed in June 1965. The Wabash River Conservancy District administered all construction contracts and operates and maintains the dams and channel system. Land treatment work was completed in June 1966. Farmers in the watershed stated that the project has already effectively demonstrated what can be done to economically reduce flood damage.

Map
No.*
II

EAST FORK OF BUCK CREEK, 6,570 acres -
Champaign County

Sponsors: Champaign County Commissioners and
Champaign Soil and Water Conservation District

This project, consisting of five floodwater retarding structures and 3.7 miles of channel improvement, was completed in August 1967. The East Fork of Buck Creek Conservancy District acquired all land rights and administered the contracts. Land treatment work was completed on schedule. Farmers state that no out-of-bank flows have been observed since the project was completed in 1966.

WATERSHED PROJECTS APPROVED FOR CONSTRUCTION

- 7 CHIPPEWA CREEK, 120,320 acres - Medina and
Wayne Counties
Sponsors: Wayne Soil and Water Conservation
District, Wayne County Commissioners, Medina
County Commissioners, Medina Soil and Water
Conservation District and the Muskingum Watershed
Conservancy District

Eight structures and 32.2 miles of channel improvement are planned in this watershed. The two structures originally planned to include additional storage for recreation have been changed to single purpose floodwater retarding dams. The appraisal roll of benefits and damages was approved by the court early in 1970. Structure II-A was completed in 1969 and two structures, V-C and V-D are under contract. Structure VII-C and the first section of channel work is scheduled for 1971. The land treatment phase of the program has progressed very well with more than 90 percent of the planned measures applied.

Map
No.*
8

RUSH CREEK, 151,460 acres - Fairfield, Hocking
and Perry Counties

Sponsors: Rushcreek Watershed Association,
Fairfield Soil and Water Conservation District,
Hocking Soil and Water Conservation District
and Perry Soil and Water Conservation District

A supplemental work plan was completed in 1968. The structural program now consists of 19 floodwater retarding structures and three multiple purpose structures. One of the original floodwater retarding structures was built by private interests. Five structures have been built by the conservancy district and a sixth is under contract. The completed appraisal roll of benefits and damages has been submitted to the court and hearings are now in progress. When approval is granted, the conservancy district can move ahead on the acquisition of land rights. The work plan, as supplemented, provides for Structure VI-A being a multiple purpose flood prevention and recreation dam. The surface pool will be 770 acres and the recreational area will be approximately 3,800 acres. The Ohio Department of Natural Resources is cooperating in the recreational phase and has taken preliminary steps to purchase the necessary land rights. The plan also provides for 22 miles of channel improvement and a levy for the protection of Bremen.



Floodwater Retarding Structure No. 5,
Margaret Creek Watershed

Map
No.*
9

DICK'S CREEK-LITTLE MUDDY CREEK, 44,600 acres -
Butler and Warren Counties

Sponsors: Warren County Commissioners, Warren
Soil and Water Conservation District, Butler
County Commissioners and Butler Soil and Water
Conservation District

The sponsors requested that the project be re-evaluated to reflect the change in land use in the area from agriculture to urban development. A supplemental work plan was prepared and the level of flood protection was upgraded. The amended work plan calls for four floodwater retarding structures and 14 miles of channel improvement. The supplemental work plan was approved by Congress in 1967. Due to the lack of sufficient local initiative and the fact that no progress has been made in the acquisition of land rights, the project has been declared inactive at present.

16

BLACK BROOK, 4,950 acres - Portage County
Sponsors: Black Brook Conservancy District,
Portage County Commissioners and Portage Soil
and Water Conservation District

The plan for this project, as amended, includes one multiple purpose dam and 4.5 miles of channel improvement. It also provides for irrigation water supply. The Black Brook Conservancy District has decided not to proceed at present due to the high local cost, most of which would have to be borne by a few landowners. The project has been declared inactive. The channel improvement portion of the plan is being implemented by the local people. They are receiving technical assistance from the local soil and water conservation district and financial assistance from another program.

Map
No.*
18

MARGARET CREEK, 38,600 acres - Athens County
Sponsors: Athens County Commissioners,
Athens Soil and Water Conservation District
and the Margaret Creek Watershed Association

This project includes six dams and 9.8 miles of channel improvement. Two multiple purpose dams (No. 6) including fish and wildlife development were completed in 1967 in cooperation with the Ohio Department of Natural Resources, Division of Wildlife. Structure No. 2 with water storage for recreation and water supply was completed in 1970. Structure No. 5, a floodwater retarding structure is completed and Structure No. 4 is under construction. Structures 1 and 3 and channel improvement work remain to be done.

21 WEST FORK DUCK CREEK, 68,380 acres - Noble,
Guernsey and Washington Counties
Sponsors: Noble County Commissioners, Noble
Soil and Water Conservation District, Muskingum
Conservancy District, Guernsey Soil and Water
Conservation District, Washington Soil and Water
Conservation District and Washington County
Commissioners

This project was approved for operations on July 2, 1964. The plan calls for two multiple purpose dams, six flood-water retarding dams and 19.9 miles of channel improvement. Construction of the one-half million dollar Wolf Run Dam has been completed in cooperation with the Ohio Department of Natural Resources. Construction on the \$500,000 recreational facilities was completed in 1967 and they are being used extensively by the public. Construction on the second structure, Caldwell Lake water supply and flood prevention, was completed in 1969. The local sponsors have decided to use recently enacted Ohio Senate Bill No. 160 to implement local responsibilities for the remaining structural program.

Map
No.*
22

BUFFALO CREEK, 32,150 acres - Noble County
Sponsors: Noble County Trustees and Clerks
Association, Noble County Development
Commission, Noble County Commissioners,
Noble Soil and Water Conservation District,
Noble Local Board of Education, Noble County
4H Club, Noble County Dairy and Beef Service
Cooperative, Noble County Extension Council,
Noble County Farm Bureau, Noble ASC County
Committee, Buffalo Township Trustees and the
Muskingum Watershed Conservancy District

The Buffalo Creek Watershed was approved for operations on August 12, 1965. This project includes three dams and 8.7 miles of channel improvement. Land treatment measures for watershed protection are being carried out. Land rights maps have been prepared. Lack of local funds has delayed appraisal of benefits and damages. The necessary land rights must be acquired by the conservancy district before construction can proceed. The sponsors are considering the use of Ohio Senate Bill No. 160 to implement local responsibilities for the remaining structural program.



Wolf Run Structure, West Fork Duck Creek Watershed
Typical recreational activities provided
by watershed structures.

Map
No.*
39

LITTLE AUGLAIZE RIVER, 125,440 acres - Van Wert,
Paulding, Putnam and Mercer Counties
Sponsors: Van Wert County Commissioners,
Van Wert Soil and Water Conservation District,
Mercer County Soil and Water Conservation
District, Paulding Soil and Water Conservation
District, Maumee Watershed Conservancy District,
Putnam County Commissioners and Putnam Soil
and Water Conservation District

This project was approved for construction in February, 1967. Land rights have been acquired by the Maumee Watershed Conservancy District. Construction is progressing on the first 10-mile section of the channel involving 2,000,000 cubic yards of excavation. The contract was awarded for the second 10 miles in 1969. The total project calls for 73 miles of channel improvement.

39a MIDDLE BRANCH (Little Auglaize), 65,920 acres -
Paulding and Van Wert Counties
Sponsors: Van Wert County Commissioners, Van Wert
Soil and Water Conservation District, Mercer County
Soil and Water Conservation District, Paulding
Soil and Water Conservation District, Maumee
Watershed Conservancy District, Putnam County
Commissioners and Putnam Soil and Water Conservation
District

The work plan was approved by Congress in 1967. The total project calls for 57 miles of channel improvement and replacement of a number of bridges to provide adequate capacity. Construction plans were prepared by a consultant on the first ten miles of channel work and the construction contract was awarded in October, 1970.

Map
No.*
40

PRAIRIE-HOAGLIN BRANCH (Little Auglaize),
67,840 acres - Paulding and Van Wert Counties
Sponsors: Van Wert County Commissioners,
Van Wert Soil and Water Conservation District,
Paulding Soil and Water Conservation District,
and Maumee Watershed Conservancy District

This project was approved in February, 1967. The project consists of 60 miles of channel improvement. Construction drawings are being prepared. Land rights will be acquired by the Maumee Watershed Conservancy District.



Channel Improvement, Upper Wabash Project
High-quality vegetative cover protects banks.

Map
No.*
42

PINE CREEK, 117,800 acres - Jackson, Lawrence
and Scioto Counties

Sponsors: Lawrence County Commissioners,
Lawrence Soil and Water Conservation District,
Scioto County Commissioners, Scioto Soil and
Water Conservation District, Jackson Soil and
Water Conservation District, Ironton City
Council and South Webster Village Council

This project includes three multiple purpose structures, eight floodwater retarding structures and 57 miles of channel improvement. It was approved for construction in 1969. The U. S. Forest Service is providing land rights for one large multiple purpose structure with a recreational area. Land rights were donated on flood prevention Structure No. 8 and a contract was awarded for construction in November, 1970. The Pine Creek Conservancy District is making good progress on their appraisal of benefits and damages and expect to file their report with the court in the near future.



Floodwater Retarding Structure No. III-A,
East Fork Buck Creek Watershed

The 15-acre sediment pool provides recreation and fish and wildlife benefits. Protected woodland shows above structure.

WATERSHEDS APPROVED FOR CONSTRUCTION

Map No. *	Watershed Project	Date Approved	Estimated Total Cost	Estimated Federal Cost	Status of Construction
1	Upper Hocking (Pilot)		\$2,053,946	\$1,661,583	Project completed in June 1962
2	Rocky Fork-Clear Creek (Pilot)		192,977	92,040	Project completed in 1957
4	Marsh Run	Aug. 7, 1959	1,815,182	1,307,416	Project completed in Dec. 1967
5	Upper Wabash	March 9, 1959	1,786,631	991,816	Project completed in June 1966
11	East Fork of Buck Creek	Nov. 26, 1962	430,175	392,282	Project completed in Dec. 1967
7	Chippewa Creek	June 21, 1960	2,885,238	1,883,466	Structure II-A completed. V-C and V-D are under contract.
8	Rush Creek	March 6, 1964	7,817,361	4,796,403	Six structures completed. Seventh structure is under contract.
9	Dick's Creek-Little Muddy Creek	Aug. 3, 1962	3,561,092	2,181,935	Inactive.
16	Black Brook	Jan. 7, 1964	376,921	242,618	Inactive. Channel work being done under another program.
18	Margaret Creek	Oct. 21, 1965	1,874,897	970,541	Construction completed on two multiple purpose and one flood prevention structure. Second flood prevention structure is under contract.
21	West Fork Duck Creek	July 2, 1964	3,782,677	2,600,782	Construction on two multiple purpose structures completed. Senate Bill 160 will be used to implement the remainder of the program.
22	Buffalo Creek	Aug. 12, 1965	1,307,105	746,268	Land rights must be acquired before construction can begin.
39	Little Auglaize River	Feb. 20, 1967	4,890,160	3,423,137	Construction completed on first ten miles of channel work. Contract on second ten miles is underway.
39a	Middle Branch (Little Auglaize)	Feb. 20, 1967	2,956,920	2,221,687	First contract has been let.
40	Prairie-Hoaglin Branch (Little Auglaize)	Feb. 20, 1967	2,184,047	1,500,271	Construction scheduled for 1971.
42	Pine Creek	Aug. 27, 1969	7,645,987	6,434,983	Single purpose floodwater prevention structure No. 8 under contract.
TOTAL				\$45,561,316	\$31,447,228

WATERSHEDS AUTHORIZED FOR PLANNING
In Work Plan Stage

Map
 No.*
3

CONOTTON CREEK, 53,120 acres - Carroll and Harrison Counties

Sponsors: Harrison County Commissioners and Carroll County Commissioners

Planning assistance was terminated in 1964 by the Soil Conservation Service due to lack of local interest.

- 6 UPPER TIFFIN (Bean Creek), 100,480 acres, Ohio; 149,760 acres, Michigan - Fulton and Williams Counties, Ohio; Hillsdale and Lenawee Counties, Michigan
 Sponsors: Fulton County Commissioners, Fulton Soil and Water Conservation District, Williams County Commissioners, Williams Soil and Water Conservation District and Maumee Watershed Conservancy District--Ohio; and Hillsdale County Drain Commissioner, Hillsdale Soil Conservation District, Lenawee Soil Conservation District and Lenawee County Drain Commissioner--Michigan

The draft copy of the technical work plan is completed. The work plan includes three floodwater retention structures (two in Michigan and one in Ohio) and 19.7 miles of channel improvement (.85 of a mile in Michigan and the remainder in Ohio). No legal entity has been formed to carry out the local part of the program.

Map
No.*
17

FLAT ROCK CREEK, 51,200 acres, Ohio and 76,200 acres, Indiana - Paulding and Van Wert Counties, Ohio and Adams and Allen Counties, Indiana

Sponsors: Van Wert Soil and Water Conservation District, Van Wert County Commissioners and Paulding Soil and Water Conservation District--Ohio; and Allen Soil and Water Conservation District, Allen County Commissioners and Adams Soil and Water Conservation District--Indiana

The work plan is completed and is being considered by the special Sub-committee on Conservation and Credit of the U. S. House of Representatives Committee on Agriculture. This Committee has requested additional information which has been supplied. The plan includes 67.4 miles of channel improvement and two recreational developments. Varied local interests must reach an agreement before the plan can be completed.

20

EAST FORK OF WHITEWATER RIVER, 45,800 acres, Ohio and 199,200 acres, Indiana - Preble and Darke Counties, Ohio and Randolph, Fayette, Union and Wayne Counties, Indiana

Sponsors: Darke Soil and Water Conservation District and Preble Soil and Water Conservation District, Ohio; and Randolph Soil and Water Conservation District, Union Soil and Water Conservation District, Franklin Soil and Water Conservation District, Wayne Soil and Water Conservation District and Fayette Soil and Water Conservation District, Indiana

This plan is being developed by Indiana. The preliminary reports indicate that there will be a large number of single purpose and several multiple purpose structures, plus some channel improvement. Improvements in Ohio consist primarily of channel improvement and land treatment measures. Indiana has formed a conservancy district and Ohio will use boards of county commissioners to carry out the local people's obligations. Preliminary investigations will be completed in 1970. The final draft of the work plan is being prepared. Recreational developments around structure sites are important parts of the plan.

Map
No.*
34

BIG RUN, 20,500 acres - Knox County
Sponsors: Knox County Commissioners, Knox
Soil and Water Conservation District and
Muskingum Watershed Conservancy District

The work plan is nearing completion and calls for one floodwater retarding structure and 4.9 miles of channel improvement. The local organization is proceeding under Senate Bill 160. This bill provides for cooperation of the soil and water conservation district and county commissioners in expediting and carrying out the local responsibilities of a water development program. The local people are now making preparations for acquiring the necessary land rights for the structure and channel work.



A wildlife pond typical of one land treatment practice used in overall watershed development.

Map
No.*
35

UPPER MILL CREEK, 30,590 acres - Butler and
Hamilton Counties

Sponsors: Butler County Commissioners, Butler
Soil and Water Conservation District, Hamilton
Soil and Water Conservation District and
Southern Butler Conservancy District

The work plan is complete and is now before the Agricultural Committees in Congress. The plan is coordinated with the Army Corps of Engineers' plan for the Lower Mill Creek and includes four single purpose flood prevention reservoirs, one multiple purpose flood prevention-recreation reservoir and 6.5 miles of channel improvement. Approval of the plan is being delayed by the House Committee on Agriculture due to high urban benefits in comparison with the agricultural benefits.

43

UPPER PAINT CREEK, 160,640 acres - Clark,
Fayette and Madison Counties

Sponsors: Fayette County Commissioners,
Fayette Soil and Water Conservation District,
Madison County Commissioners, Madison Soil and
Water Conservation District, City of Washington
Court House and Clark Soil and Water Conservation
District

This project was approved for planning in July, 1969. Field surveys for the work plan were completed in 1970. Land treatment needs have been determined by the local soil and water conservation districts involved. The plan will call for approximately 86 miles of channel improvement. Local people will use Senate Bill No. 160 to implement the plan. Present condition hydrologic studies have been completed.

SOUTH FORK LICKING RIVER, 184,000 acres -
Fairfield, Licking and Perry Counties
Sponsors: Licking County Commissioners,
Licking County Soil and Water Conservation
District, Fairfield County Commissioners,
Fairfield Soil and Water Conservation
District, Perry County Commissioners, Perry
Soil and Water Conservation District and
Muskingum Watershed Conservancy District

Surveys have been completed by negotiating a contract with a consultant firm. State funds were provided on this work. A conservancy district has been formed to carry out the local responsibilities of the project.



Damage to bridge and roadway
from a 1968 flood on Salt Creek.

Map
No.*
48

SHORT CREEK, 81,280 acres - Harrison and Jefferson Counties

Sponsors: Dillonvale Village Council, Village of Adena Council, Harrison County Commissioners, Harrison Soil and Water Conservation District, Jefferson County Commissioners and Jefferson Soil and Water Conservation District

The final draft of the work plan is being prepared for agency review and approval. Recreational development has been dropped. The plan will include one single purpose flood prevention structure and ten miles of channel improvement. There are 3.6 miles in the Adena area and 6.4 miles in the Dillonvale area. A conservancy district has been formed to carry out local responsibilities.

56 LEADING CREEK, 96,640 acres - Athens and Meigs Counties

Sponsors: Meigs County Commissioners, Meigs Soil and Water Conservation District, Pomeroy Village, Middleport Village and Rutland Village

The work plan is scheduled for completion in 1971. Local sponsors have formed the Leading Creek Conservancy District to carry out the local responsibilities of the project. Stabilization of critical sediment producing areas, caused by strip mining, will be given major emphasis. The local organization, with the assistance of consultants, has completed plans for the recreational phase of the project and is presently securing necessary mineral rights for all structures.

Map
No.*
57

SWAN CREEK, 128,640 acres - Fulton, Henry
and Lucas Counties

Sponsors: Fulton County Commissioners,
Fulton Soil and Water Conservation District,
Henry County Commissioners, Henry Soil and
Water Conservation District, Lucas County
Commissioners, Lucas Soil and Water
Conservation District and Maumee Watershed
Conservancy District

Action will continue to develop the work plan. Field surveys are complete. The plan will call for approximately 37 miles of channel improvement work. Land rights will be acquired by the Maumee Conservancy District.

64

BEAVER CREEK (Maumee), 112,640 acres -
Henry, Wood, Putnam and Hancock Counties

Sponsors: Henry County Commissioners,
Henry Soil and Water Conservation District,
Putnam County Commissioners, Putnam Soil and
Water Conservation District, Wood County
Commissioners, Wood Soil and Water Conservation
District, Hancock County Commissioners, Hancock
Soil and Water Conservation District and Maumee
Watershed Conservancy District

The complete work plan is being developed by negotiating a contract with a private consultant firm using state funds.



Fabridam structure in the Marsh Run Watershed Project installed to control stream water level. Structures of this type can also be installed to benefit fish and wildlife in watershed projects.

WATERSHEDS IN PLANNING STATUS
In Preliminary Investigation Stage

Map
 No.*
13

UPPER SCIOTO RIVER, 76,800 acres - Hardin,
 Auglaize and Allen Counties
 Sponsors: The Upper Scioto Drainage and
 Conservancy District, Hardin Soil and Water
 Conservation District and Auglaize Soil and
 Water Conservation District

Preliminary work has been started. The sponsors are considering an amendment to the original application to include a larger area. The project is inactive at present. Agreement at the local level is needed before planning can be resumed.

19 BEAVER CREEK, 13,440 acres - Greene County
 Sponsors: Greene County Commissioners and
 Greene Soil and Water Conservation District

Studies are being made concurrently with the Upper Little Miami River Watershed. A preliminary investigation report has been prepared and presented to the watershed sponsors. Sponsors must now decide on a course of action for proceeding in developing a work plan.

23 MARSH RUN-BLACK FORK, 139,520 acres -
 Ashland, Crawford and Richland Counties
 Sponsors: Richland County Commissioners,
 Richland Soil and Water Conservation District,
 Ashland County Commissioners, Ashland Soil and
 Water Conservation District, Crawford County
 Commissioners, Crawford Soil and Water Conservation
 District and Muskingum Watershed Conservancy District

Field surveys for preliminary report have been completed. Local sponsors have decided to proceed with the Marsh Run portion of the project under the County Ditch Law.

Map
No.*
24

LOWER TIFFIN, 234,240 acres - Fulton,
Williams, Defiance and Henry Counties
Sponsors: Fulton County Commissioners,
Fulton Soil and Water Conservation District,
Williams County Commissioners, Williams
Soil and Water Conservation District, Henry
County Commissioners, Henry Soil and Water
Conservation District, Defiance County
Commissioners, Defiance Soil and Water
Conservation District and Maumee Watershed
Conservancy District

The preliminary investigation has been completed. It was completed concurrently with the Upper Tiffin. The work plan will be prepared separately.

25 UPPER HONEY CREEK, 69,100 acres - Crawford,
Huron and Seneca Counties
Sponsors: Crawford County Commissioners,
Crawford Soil and Water Conservation District,
Huron County Commissioners, Huron Soil and
Water Conservation District, Seneca County
Commissioners and Seneca Soil and Water
Conservation District

Preliminary work has been started. Local sponsors have formed a conservancy district. Detailed soil surveys have been completed on muck soil areas. The preliminary investigation is scheduled for completion in early 1971.

28 MASSIES CREEK, 48,000 acres - Clark, Greene
and Madison Counties
Sponsors: Greene County Commissioners,
Greene Soil and Water Conservation District,
Clark County Commissioners and Clark Soil and
Water Conservation District

The preliminary investigation was submitted and alternatives presented to the local people. Further action is being delayed due to local costs. Sponsors must now decide on a course of action for proceeding in developing a work plan.

Map
No.*
30

MUDDY CREEK-GLADY CREEK, 19,300 acres -
Champaign and Logan Counties
Sponsors: Champaign County Commissioners,
Champaign Soil and Water Conservation District,
Logan County Commissioners and Logan Soil and
Water Conservation District

Preliminary investigations have been completed and approved by the local sponsors. Local obligations will be carried out under Senate Bill No. 160. Necessary land has already been secured. Planning authorization has been requested.

31 LOG POND RUN, 6,270 acres - Licking County
Sponsors: Licking County Commissioners,
Licking Soil and Water Conservation District
and Muskingum Conservancy District

The preliminary investigation report has been completed. Urban flood damage, recreational development, and watershed protection are the primary concerns. State and local people have agreed that this will be handled by the Army Corps of Engineers along with the Newark local protection project.

32 UPPER LITTLE MIAMI RIVER, 204,800 acres -
Greene, Warren, Clark and Montgomery Counties
Sponsors: Clark County Commissioners, Clark
Soil and Water Conservation District, Greene
County Commissioners, Greene Soil and Water
Conservation District, Xenia City Commission,
Village of Bellbrook, Spring Valley Council,
Spring Valley Township Trustees, Montgomery
County Commissioners, Montgomery Soil and
Water Conservation District, Village of
Yellow Springs, Warren County Farm Bureau
Federation, Village of Waynesville, Waynesville
Township Trustees, Warren County Commissioners
and Warren Soil and Water Conservation District

Preliminary investigation report has been completed and presented to the local sponsors for their consideration. Future flood plain use may be redefined. The Soil Conservation Service is now waiting on local decisions. The project is inactive at this time.

Map
No.*
36

BLACK CREEK (Raisin River), 83,000 acres -
Lenawee County, Michigan; and 17,000 acres -
Fulton County, Ohio
Sponsors: Fulton Soil and Water Conservation
District, Ohio; and Hillsdale Soil Conservation
District, Jackson Soil Conservation District,
Lenawee Soil Conservation District, Monroe
Soil Conservation District and Washtenaw
Soil Conservation District, Michigan

Planning assistance has been suspended. The Soil Conservation Service planning party in Michigan will take the lead in developing the work plan when requested by the sponsors.

45 EAST FORK DUCK CREEK, 115,840 acres -
Monroe, Noble and Washington Counties
Sponsors: Washington County Commissioners,
Washington Soil and Water Conservation
District, Marietta Chamber of Commerce,
City Council of Marietta, Lower Salem
Village, Monroe Soil and Water Conservation
District, Noble County Commissioners and
Noble Soil and Water Conservation District

Preliminary surveys have been completed and the report submitted to the sponsors. This project does not have a favorable cost-benefit ratio under present PL 566 criteria. However, one structure on Paw Paw Creek may be built as a multiple purpose flood prevention, recreational and water supply project. Plans are to implement it as a resource conservation and development project with local obligation being carried out through Senate Bill No. 160.

Map
No.*
46

BEAVERDAM CREEK, 13,945 acres - Tuscarawas
County
Sponsors: Tuscarawas County Commissioners,
Tuscarawas Soil and Water Conservation
District and Muskingum Watershed Conservancy
District

Preliminary surveys have been completed and a preliminary investigation report was presented to the local people. Sponsors must decide if they wish to proceed with the project before the Soil Conservation Service can request planning authorization. This project is inactive at this time.

50

UPPER ST. MARYS, 96,000 acres - Auglaize
and Mercer Counties
Sponsors: Auglaize County Commissioners,
Auglaize Soil and Water Conservation District,
Shelby County Commissioners, Shelby Soil and
Water Conservation District, Mercer County
Commissioners, Mercer County Soil and Water
Conservation District and Maumee Watershed
Conservancy District

Preliminary reconnaissance was made by the watershed planning staff. Survey instructions for field survey crew have been completed and determined. Local sponsors created a working committee composed of members of three steering committees from: Upper St. Marys, Middle St. Marys and Buckeye-Hoosier Watersheds. Studies are delayed due to the workload.

Map
No.*
51

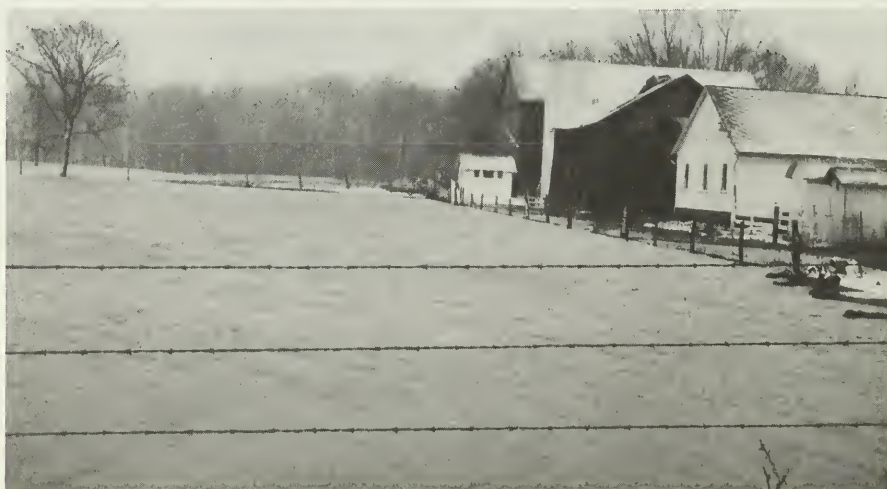
UPPER MAD RIVER, 204,800 acres - Champaign,
Logan and Clark Counties
Sponsors: Champaign County Commissioners,
Champaign Soil and Water Conservation District,
Logan County Commissioners, Logan Soil and
Water Conservation District, Village of West
Liberty, Springfield City Commission, Clark
County Commissioners and Clark Soil and Water
Conservation District

Preliminary work has been started. Field surveys have been completed. The Ohio Department of Natural Resources and the Soil Conservation Service have agreed that action will be delayed until fish and wildlife interests are coordinated.

52

MIDDLE ST. MARYS, 182,400 acres - Mercer,
Auglaize and Van Wert Counties
Sponsors: Mercer County Commissioners,
Mercer County Soil and Water Conservation
District, Van Wert County Commissioners,
Van Wert Soil and Water Conservation District,
Auglaize County Commissioners, Auglaize Soil
and Water Conservation District and Maumee
Watershed Conservancy District

Preliminary work has been started. Field surveys have been completed. Additional work is delayed due to workload.



Floodwater damage to agricultural land in the Upper Killbuck Watershed Project.

APPLICATIONS UNSERVICED

Map No.*	Watershed	County or Counties	Watershed Acres	Sponsors	Date Approved by Ohio D/N/R
10 ¹ / ₁	Kokosing River	Knox, Morrow and Richland	166,400	Fredericktown Village Council Muskingum Watershed Conservancy District, Knox Soil and Water Conservation District, Knox County Commissioners, Morrow County Commissioners, Morrow Soil and Water Conservation District, Richland County Commissioners, Richland Soil and Water Conservation District and Mt. Vernon City Council	April 1959
12 ² / ₁	Snyder Ditch	Ashtabula and Trumbull	19,840	Trumbull Soil and Water Conservation District, Trumbull County Commissioners, Ashtabula Soil and Water Conservation District and Ashtabula County Commissioners	June 1959
14 ³ / ₁	Anderson Fork	Clinton	17,920	Clinton County Commissioners and Clinton Soil and Water Conservation District	Sept. 1959
15 ⁴ / ₁	Fish Creek	Portage	6,400	Portage County Commissioners, Portage Soil and Water Conservation District, Summit Soil and Water Conservation District and Kent Ohio Watershed Committee	Dec. 1959
26	Middle and South Branch Portage River	Hancock, Seneca and Wood	218,980	Wood County Commissioners, Wood Soil and Water Conservation District, Hancock County Commissioners, Hancock Soil and Water Conservation District, Seneca County Commissioners and Seneca Soil and Water Conservation District	March 1963

APPLICATIONS UNSERVICED (Cont'd)

Map No.*	Watershed	County or Counties	Watershed Acres	Sponsors	Date Approved by Ohio D/N/R
27	North Branch Portage River	Ottawa, Sandusky and Wood	156,800	Wood County Commissioners, Wood Soil and Water Conservation District, Ottawa County Commissioners, Ottawa Soil and Water Conservation District, Sandusky County Commissioners, and Sandusky Soil and Water Conservation District	March 1963
29 ^{5/}	Upper Mississinewa River	Delaware, Jay and Randolph--Indiana; Darke--Ohio	199,860 19,200	Jay Soil and Water Conservation District, Randolph Soil and Water Conservation District and Delaware Soil and Water Conservation District--Indiana; Darke Soil and Water Conservation District--Ohio	April 1963
33	Tawawa Creek	Champaign, Miami and Shelby	37,120	Shelby County Commissioners, Shelby Soil and Water Conservation District, Champaign County Commissioners, Champaign Soil and Water Conservation District, Miami County Commissioners and Miami Soil and Water Conservation District	Nov. 1963
37	Upper Blanchard River	Hancock, Seneca, Hardin and Wyandot	247,040	Hancock County Commissioners, Hancock Soil and Water Conservation District, Hardin County Commissioners, Hardin Soil and Water Conservation District, Seneca County Commissioners, Seneca Soil and Water Conservation District, Wyandot County Commissioners, Wyandot Soil and Water Conservation District and Maumee Watershed Conservancy District	April 1964

APPLICATIONS UNSERVICED (Cont'd)

Map No.:	Watershed	County or Counties	Watershed Acres	Sponsors	Date Approved by Ohio D/N/R
38	Lower Blanchard River	Allen, Hancock, Hardin and Putnam	240,640	Allen County Commissioners, Allen Soil and Water Conservation District, Hancock County Commissioners, Hancock Soil and Water Conservation District, Hardin County Commissioners, Hardin Soil and Water Conservation District, Putnam County Commissioners, Putnam Soil and Water Conservation District and Maumee Watershed Conservancy District	April 1964
41	Arcola Creek	Ashtabula and Lake	13,000	Lake County Commissioners, Lake Soil and Water Conservation District, Ashtabula County Commissioners and Ashtabula Soil and Water Conservation District	June 1964
47	North Hocking	Fairfield and Hocking	68,672	Fairfield County Commissioners, Fairfield Soil and Water Conservation District, City of Lancaster and Hunter's Run Conservancy District	March 1965
^{6/} 49	Buckeye-Hoosier (Lower Wabash, Indiana)	Wells, Adams and Jay--Indiana; Mercer--Ohio	171,520 73,600	Mercer County Commissioners, and Mercer County Soil and Water Conservation District--Ohio; Wells County Commissioners, Wells Soil and Water Conservation District, Adams County Commissioners, Adams Soil and Water Conservation District, Jay County Commissioners and Jay Soil and Water Conservation District--Indiana	Jan. 1966

APPLICATIONS UNSERVICED (Cont'd)

Map No.*	Watershed	County or Counties	Watershed Acres	Sponsors	Date Approved by Ohio D/N/R
53	Blacklick Creek	Licking, Fairfield and Franklin	39,040	Columbus Metropolitan Park Board, Madison Township Trustees, Licking County Commissioners, Licking County Soil and Water Conservation District, Fairfield County Commissioners, Fairfield Soil and Water Conservation District, City of Reynoldsburg and Franklin Soil and Water Conservation District	Jan. 1966
54	Federal Valley	Athens, Morgan and Washington	92,800	Washington County Commissioners, Washington Soil and Water Conservation District, Morgan County Commissioners, Morgan Soil and Water Conservation District, Athens County Commissioners and Athens Soil and Water Conservation District	June 1966
55	Little Salt Creek	Ross, Jackson and Pike	88,960	Jackson County Commissioners, Jackson Soil and Water Conservation District, City of Jackson, Pike Soil Conservation District and Ross Soil and Water Conservation District	July 1966

APPLICATIONS UNSERVICED (Cont'd)

Map No.:	Watershed	County or Counties	Watershed Acres	Sponsors	Date Approved by Ohio D/N/R
58	Newman Creek	Wayne and Stark	26,624	Wayne County Commissioners, Wayne Soil and Water Conserva- tion District, Stark County Commissioners, Stark Soil and Water Conservation District and Muskingum Watershed Conser- vancy District	Oct. 1966
59	Ottawa River	Allen, Putnam, Hardin and Auglaize	238,720	Allen County Commissioners, Allen Soil and Water Conserva- tion District, Lima City Council, Ft. Shawnee City Council, Putnam County Commissioners, Putnam Soil and Water Conservation District, Auglaize County Commissioners, Auglaize Soil and Water Conserva- tion District, Hardin County Com- missioners, Hardin Soil and Water Conservation District and Maumee Watershed Conservancy District	Jan. 1967
60	Wolf Creek	Morgan, Washington and Athens	147,776	Morgan County Commissioners, Morgan Soil and Water Conser- vation District, Washington County Commissioners, Wash- ington Soil and Water Conser- vation District, Athens County Commissioners and Athens Soil and Water Conservation District	Jan. 1967

APPLICATIONS UNSERVICED (Cont'd)

Map No.:	Watershed	County or Counties	Watershed Acres	Sponsors	Date Approved by Ohio D/N/R
61	Dry Creek	Fulton and Henry	16,640	Henry County Commissioners, Henry Soil and Water Conser- vation District, Fulton County Commissioners, Fulton Soil and Water Conservation District and Maumee Watershed Conservancy District	June 1967
62	Bad Creek	Fulton and Henry	40,960	Henry County Commissioners, Henry Soil and Water Conser- vation District, Fulton County Commissioners, Fulton Soil and Water Conservation District and Maumee Watershed Conservancy District	June 1967
63	South Turkeyfoot	Putnam and Henry	91,520	Henry County Commissioners, Henry Soil and Water Conser- vation District, Putnam County Commissioners, Putnam Soil and Water Conservation District and Maumee Watershed Conservancy District	June 1967

APPLICATIONS UNSERVICED (Cont'd)

Map No.*	Watershed	County or Counties	Watershed Acres	Sponsors	Date Approved by Ohio D/N/R
65	Walnut Creek and Tributaries	Fairfield, Pickaway, Franklin, Licking and Perry	179,840	Licking County Commissioners, Licking Soil and Water Conservation District, Perry County Commissioners, Perry Soil and Water Conservation District, Fairfield County Commissioners, Fairfield Soil and Water Conservation District, Village Council of Pickerington, Community Improvement Corporation of Baltimore Area, Village of Baltimore, Groveport Village Council, Franklin County Commissioners, Village Council of Canal Winchester, Village Council of Lithopolis, Pickaway County Commissioners, Pickaway Soil and Water Conservation District, Madison Township Trustees and Pickaway County Cooperative Extension Advisory Committee	June 1967
66	Gordon Creek	Defiance and Paulding--Ohio; Dekalb--Indiana	30,224	Defiance County Commissioners, Defiance Soil and Water Conservation District, Paulding County Commissioners, Paulding Soil and Water Conservation District and Maumee Watershed Conservancy District--Ohio; Dekalb Soil and Water Conservation District--Indiana	Sept. 1967

APPLICATIONS UNSERVICED (Cont'd)

Map No.*	Watershed	County or Counties	Watershed Acres	Sponsors	Date Approved by Ohio D/N/R
67	Upper Auglaize River	Putnam, Allen and Auglaize	232,320	Allen County Commissioners, Allen Soil and Water Conservation District, Auglaize County Commissioners, Auglaize Soil and Water Conservation District, Putnam Soil and Water Conservation District, Putnam County Commissioners, Van Wert Soil and Water Conservation District, Wapakoneta City Council, and Maumee Watershed Conservancy District	Sept. 1968
68	Marie Delarme	Paulding--Ohio; Allen and Dekalb--Indiana	17,728	Paulding County Commissioners, Paulding Soil and Water Conservation District, Defiance County Commissioners, Defiance Soil and Water Conservation District and Maumee Watershed Conservancy District--Ohio; Allen Soil and Water Conservation District and Dekalb Soil and Water Conservation District--Indiana	Sept. 1968

APPLICATIONS UNSERVICED (Cont'd)

Map No.*	Watershed	County or Counties	Watershed Acres	Sponsors	Date Approved by Ohio D/N/R
69	St. Joseph of the Maumee	Williams--Ohio; Steuben--Indiana; Dale and Branch-- Michigan	81,280 7,040 155,520	Williams County Commissioners, and Williams Soil and Water Conservation District--Ohio; Hillsdale County Drain Commis- sion, Hillsdale Soil Conserva- tion District, Branch Soil Conservation District and Branch County Drain Commission-- Michigan; and Steuben Soil and Water Conservation District-- Indiana	Oct. 1968
70	Ten Mile Creek	Lucas and Fulton--Ohio; Lenawee and Monroe--Michigan	77,440 32,536	Lucas County Commissioners, Lucas Soil and Water Conser- vation District, Fulton County Commissioners, Fulton Soil and Water Conservation District and Maumee Watershed Conservancy District--Ohio; Lenawee County Drain Commission, Lenawee Soil Conservation District, Monroe County Drain Commission and Monroe Soil Conservation District-- Michigan	Jan. 1969
71	Toussaint Creek and Adjacent Lake Erie Tributaries	Lucas, Wood, Sandusky and Ottawa	195,200	Lucas County Commissioners, Lucas Soil and Water Conser- vation District, Wood County Commissioners, Wood Soil and Water Conservation District, Sandusky County Commissioners, Sandusky Soil and Water Conser- vation District, Ottawa County Commissioners and Ottawa Soil and Water Conservation District	Jan. 1969

APPLICATIONS UNSERVICED (Cont'd)

Map No.*	Watershed	County or Counties	Watershed Acres	Sponsors	Date Approved by Ohio D/N/R
72	Sand Fork	Lawrence and Gallia	27,700	Lawrence Soil and Water Conservation District, Gallia County Commissioners and Gallia Soil and Water Conservation District	June 1969
73	North Fork of Paint Creek	Fayette, Madison and Ross	151,200	Fayette County Commissioners, Fayette Soil and Water Conservation District, Madison County Commissioners, Madison Soil and Water Conservation District, Ross County Commissioners and Ross Soil and Water Conservation District	June 1969
74	Little Scioto River	Scioto, Pike and Jackson	129,200	Scioto County Commissioners, Scioto Soil and Water Conservation District, Jackson County Commissioners, Jackson Soil and Water Conservation District, Pike County Commissioners and Pike Soil Conservation District	June 1969
75	West Branch of Wolf Creek	Seneca and Sandusky	45,300	Seneca County Commissioners, Seneca Soil and Water Conservation District, Sandusky County Commissioners and Sandusky Soil and Water Conservation District	June 1969

APPLICATIONS UNSERVICED (Cont'd)

Map No.*	Watershed	County or Counties	Watershed Acres	Sponsors	Date Approved by Ohio D/N/R
76	Upper Salt Creek	Pickaway, Hocking, Ross, Fairfield and Vinton	141,500	Pickaway County Commissioners, Pickaway Soil and Water Conservation District, Hocking County Commissioners, Hocking Soil and Water Conservation District, Tarlton Village Council, Adelphi Village Council, Ross County Commissioners, Ross Soil and Water Conservation District, Fairfield County Commissioners, Fairfield Soil and Water Conservation District, Vinton County Commissioners, Vinton Soil and Water Conservation District and Laurelville Village Council	June 1969
77	Hominy and Hargus Creek	Pickaway	13,200	Pickaway County Commissioners, Pickaway Soil and Water Conservation District, Washington Township Trustees and Circleville City Council	Sept. 1969
78	Rattlesnake Creek	Clinton, Fayette, Greene, Madison and Highland	177,400	Clinton County Commissioners, Clinton Soil and Water Conservation District, Fayette County Commissioners, Fayette Soil and Water Conservation District, Greene County Commissioners, Greene Soil and Water Conservation District, Highland County Commissioners, Highland Soil and Water Conservation District, Madison County Commissioners and Madison Soil and Water Conservation District	June 1970

APPLICATIONS UNSERVICED (Cont'd)

Map No.*	Watershed	County or Counties	Watershed Acres	Sponsors	Date Approved by Ohio D/N/R
79	Lower Killbuck Creek	Holmes and Coshocton	191,400	Holmes County Commissioners, Holmes Soil and Water Conservation District, Coshocton County Commissioners, Coshocton Soil and Water Conservation District and Muskingum Watershed Conservancy District	June 1970
80	Upper Killbuck Creek	Wayne, Medina and Holmes	198,400	Wayne County Commissioners, Wayne Soil and Water Conservation District, Medina County Commissioners, Medina Soil and Water Conservation District, Holmes County Commissioners, Holmes Soil and Water Conservation District and Muskingum Watershed Conservancy District	June 1970

1/ Studies suspended--restudy on Dry Creek Tributary requested.

2/ Studies suspended--restudy being considered.

3/ Application needs amendment.

4/ Studies suspended.

5/ Indiana will take the lead in planning.

6/ Indiana will take the lead in planning.

* Numbers refer to watershed numbers on status map.